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Patent

Docket No. 1284-001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

John M. Stencel

Serial No.: 10/588,091

Filed: July 28, 2006

For: INSTRUMENTS, RELATED SYSTEMS, AND METHODS
FOR MONITORING OR CONTROLLING FOAMING

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October 27, 2006 Tanya J. Minton
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INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Applicant discloses to the Examiner under 37 CFR 1.56, and 37 CFR 1.97-1.98, as revised (1135 OG 13) and effective March 16, 1992, the information listed on the attached form PTO/SB/08A. This information may be found to be material to this invention under the current applicable patent law and as interpreted by the US PTO Rules, as cited above. Review and consideration of the listed references/information during substantive examination of this application is respectfully requested.

S.N. 10/588,091

Applicant specifically emphasizes that this statement, and/or the act of identifying this information, is not to be construed as an admission that all or any of it is prior art to the specific invention disclosed and claimed. Also nothing in this statement is to be construed as a representation that this is the only material information to be found, or the best. If additional material information is discovered in the future, a prompt submission will be made to fulfill applicant's continuing duty of disclosure under 37 CFR 1.56.

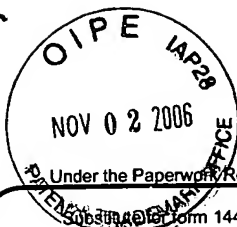
Respectfully submitted,

KING & SCHICKLI, PLLC

A handwritten signature in black ink, appearing to read 'Andrew D. Dorisio', is written over the firm name 'KING & SCHICKLI, PLLC'.

Andrew D. Dorisio
Registration No. 41,713

247 North Broadway
Lexington, KY 40507
(859) 252-0889



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/588,091
Filing Date	July 28, 2006
First Named Inventor	John M. Stencel
Art Unit	
Examiner Name	
Attorney Docket Number	1284-001

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1	US- 3,246,516	04-19-1966	N. Maropis	
	2	US- 4,184,371	01-22-1980	Brachet	
	3	US- 4,325,255	04-20-1982	Howard et al.	
	4	US- 4,624,745	11-25-1986	Sande et al.	
	5	US- 4,640,130	02-03-1987	Sheng et al.	
	6	US- 4,934,177	06-19-1990	Cuthbertson et al.	
	7	US- 5,108,655	04-28-1992	Johns, Jr. et al.	
	8	US- 5,656,428	08-12-1997	McAllister et al.	
	9	US- 5,868,859	02-09-1999	Hei et al.	
	10	US- 6,082,174	07-04-2000	Lee et al.	
	11	US- 6,385,558	05-07-2002	Schlemm	
	12	US- 6,397,665	06-04-2002	Kirts et al.	
	13	US- 6,405,580	06-18-2002	Kirts et al.	
	14	US- 6,461,414	10-08-2002	Kohl et al.	
	15	US- 6,507,790	01-14-2003	Radomski	
	16	US- 6,542,828	04-01-2003	MacDonald et al.	
	17	US- 6,590,000	07-08-2003	Varadaraj	
	18	US- 6,640,618	11-04-2003	Kirts et al.	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
	19	EP 0 697 583	02-21-1996	Bolland		

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/588,091
		Filing Date	July 28, 2006
		First Named Inventor	John M. Stencel
		Art Unit	
		Examiner Name	
Sheet 2	of 3	Attorney Docket Number	1284-001

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	20	BOYD, VARLEY; "The uses of passive measurement of acoustic emissions from chemical engineering processes"; Chemical Engineering Science 56; 2001; pgs 1749-1767;	
		Elsevier Science Ltd.; Department of Chemical Engineering and Chemical Technology, Imperial College of Science, Technology, and Medicine; London, England	
	21	GODDARD, FORSTER; "Stable foams in activated sludge plants"; Enzyme Microb. Technol., 1987; pgs 164-168, Vol. 9; Department of Civil Engineering, Birmingham University;	
		Birmingham, England	
	22	DODSON, PH.D.; "Concrete Admixtures"; Structural Engineering Series; pgs 139-149; Van Nostrand Reinhold, New York	
	23	HOSSAIN, WUN JERN, SAY LEONG; "Control of Activated Sludge Foaming"; pgs 771-778; Dept. of Civil Engineering, National University of Singapore; Singapore	
	24	BROWN, KAUL, VARLEY; "Continuous Foaming for Protein Recovery: Part II. Selective Recovery of Proteins from Binary Mixtures"; Biotechnology and Bioengineering, Feb 1999; pgs 291-300,	
		Vol. 62, No. 3; John Wiley & Sons, Inc.; Biotechnology and Biochemical Engineering Group, Food Science and Technology Dpt., The University of Reading; Reading, England	
	25	LOCKWOOD, BUMMER, JAY; "Purification of Proteins Using Foam Fractionation"; Pharmaceutical Research, 1997; pgs 1511-1515, Vol 14, No. 11; Plenum Publishing Corporation	
	26	BANHART, STANZICK; "Metal foam evolution studied by synchrotron radioscopy"; App. Phys. Letters, Feb 2001; pgs 1152-1154, Vol 78, No 8; American Institute of Physics; Germany	

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Sheet	3	of	3
		Attorney Docket Number	1284-001

NON PATENT LITERATURE DOCUMENTS			
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	27	RZESZOTARSKA, REJMUND, RANACHOWSKI; "Acoustic emission measurement of foam evolution in H2O-C2H5OH-- air systems with content of detergent triton X-100"; Ultrasonics, 1998;	
		pgs 953-958; Elsevier Science B.V.; Institute of Fundamental Technological Research Problems; Warsaw, Poland	
	28	POLLOCK; "Acoustic Emission Inspection"; Physical Acoustics Corporation, Technical Report, 2003; MISTRAS Holdings Group	
	29	WILSON; "Cement and Concrete: Environmental Considerations"; Environmental Building News, March/April 1993; Vol 2, No 2; BuildingGreen, Inc.	
	30	"REACT"; Physical Acoustics Corporation, 2003; MISTRAS Holdings Group; Princeton Jct, New Jersey	
	31	WEAIRE, HUTZLER; "The Physics of Foams", 2003; Oxford Press, ISBN 0-19-851097-7	
	32	VANDEWALLE, LENTZ, DORBOLO, BRISBOIS; "Avalanches of Popping Bubbles in Collapsing Foams"; Phys. Rev. Lett., 2001; Vol. 86	
	33	HILL, MANROSS, DAVIDSON, PALMER, NUTT, ROSS; "Sensing and Control Systems: A Review of Municipal and Industrial Experiences"; WERF Report 99-WWF-4; 2002, IWA Publishing	

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